

REMARKS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 20, 22-28, 30, 32-36, 38, 40-45, 47, 49-51 and 53-60 are pending in the present application. Claims 21, 29, 31, 39, and 48 have been canceled and claims 20, 22, 24, 27, 30, 32, 33, 35, 38, 40, 42, 45, 47, 49, 50, 53 and 54 have been amended by the present amendment.

In the outstanding Office Action, claims 20-28, 30-36, 38-45, 47-51 and 53-60 were rejected under 35 U.S.C. § 103(a) as unpatentable over Na et al. in view of Slattery et al. and Yanagihara et al., which is respectfully traversed.

Independent claim 21 includes a combination of features and has been amended to include the subject matter recited in dependent claim 21. Independent claims 30, 38, 47, 53 and 54 have been amended in a similar manner. Thus, according to the present invention, an MPEG transport stream (TS) is modified to include program managing information that is inserted into the MPEG TS as a transport packet and then the MPEG transport stream is transferred through a digital interface to a television, for example.

The Office Action relies on Na et al. as creating program management information in the form of a transport packet and inserting the generated transport packet into the MPEG transport stream and cites column 5, lines 14-32. However, as described in the previously filed response, Na et al. does not insert any navigation information into the stream, but rather sends this management information through a separate channel to an interface manager 350. Further, as shown in Figure 4, the PS/TS converter 318 transmits the navigation information to the navigation data processor 324, which then transmits the navigation information through a

separate IEEE 1394 channel to the user interface manager 350. As clearly shown in Figure 4 of Na et al., and as described in column 4, lines 33-51, the navigation pack and the sub-picture pack are provided separate from the program stream to the system controller 220. As shown in Figure 4 of Na et al., the separate navigation information transmitted through separate IEEE 1394 channels does not correspond to the navigation information being inserted into the transport stream as a transport packet. In Na et al., the transport stream received by the digital TV does not include any navigation information that is inserted when a discontinuity occurs as in the present invention. There is no description in Na et al. about inserting management information into the transport stream, but rather the navigation information in Na et al. is provided separately to the user interface manager 300 as shown in Figure 3. Slattery et al. and Yanagihara et al. also do not teach or suggest these features.

Accordingly, it is respectfully submitted independent claims 20, 30, 38, 47, 53 and 54 and each of the claims depending therefrom are allowable.

CONCLUSION

For the foregoing reasons and in view of the above clarifying amendments, Applicants respectfully request the Examiner to reconsider and withdraw the rejection of record, and earnestly solicit an early issuance of a Notice of Allowance.

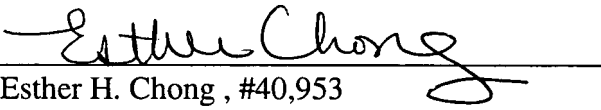
Should there be any outstanding matters which need to be resolved in the present application, the Examiner is respectfully requested to contact David A. Bilodeau (Registration No. 42,325) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and further replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

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Respectfully submitted,

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